

We claim:

5 1. A fungicidal mixture, comprising as active components

a) an amide compound of the formula I



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in which

A is an aryl group or an aromatic or non-aromatic, 5- or 6-membered heterocycle which has from 1 to 3 hetero atoms selected from O, N and S;

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where the aryl group or the heterocycle may or may not have 1, 2 or 3 substituents which are selected, independently of one another, from alkyl, halogen, CHF_2 , CF_3 , alkoxy, haloalkoxy, alkylthio, alkylsulfynyl and alkylsulfonyl;

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R^1 is a hydrogen atom;

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R^2 is a phenyl or cycloalkyl group which may or may not have 1, 2 or 3 substituents which are selected, independently of one another, from alkyl, alkenyl, alkynyl, alkoxy, alkenyloxy, alkynyloxy, cycloalkyl, cycloalkenyl, cycloalkyloxy, cycloalkenyloxy, phenyl and halogen, where the aliphatic and cycloaliphatic radicals may be partially or fully halogenated and/or the cycloaliphatic radicals may be substituted by from 1 to 3 alkyl groups and where the phenyl group may have from 1 to 5 halogen atoms and/or from 1 to 3 substituents which are selected, independently of one another, from alkyl, haloalkyl, alkoxy, haloalkoxy, alkylthio and haloalkylthio, and where the amidic phenyl group may or may not be condensed with a saturated 5-membered ring which may or may not be substituted by one or more alkyl groups and/or may have a hetero atom selected from O and S, and

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40 and [sic]

b) fungicides from the group of the dicarboximides

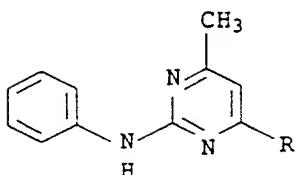
and/or

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c) a pyrimidine derivative of the formula III,

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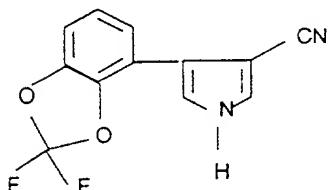
III

in which R is methyl, propyn-1-yl or cyclopropyl,

10 and/or

d) at least one active ingredient of the formula IV or V,

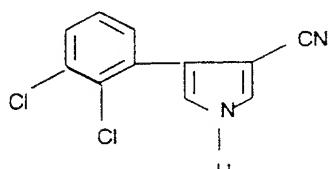
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IV

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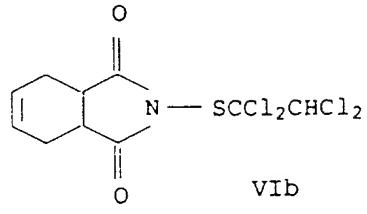
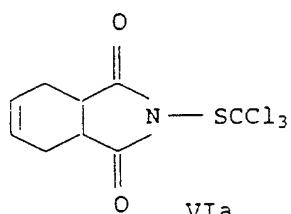
V

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35 and/or

e) a phthalimide derivative selected from the group consisting of the compounds VIa, VIb and VII

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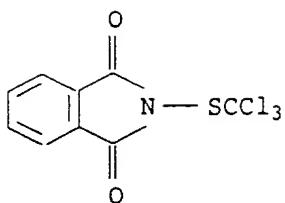


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VIa

VIb

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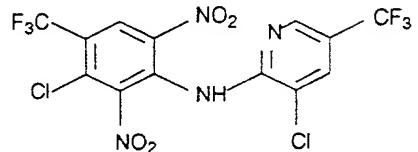


VII

and/or

- ¹⁰ f) a dinitroaniline of the formula VIII

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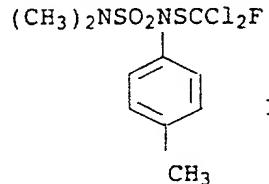
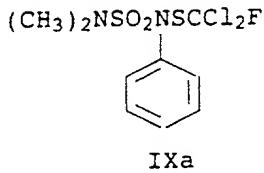


VIII

and/or

- ²⁰ g) an arylsulfamide of the formula IX a or IXb

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IXb

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in a synergistically effective amount.

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2. A fungicidal mixture as claimed in claim 1, wherein in the formula I the radical A is one of the following groups:

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phenyl, pyridyl, dihydropyranly, dihydrooxathiinyl,
dihydrooxathiinyloxide, dihydrooxathiinyldioxide, furyl,
thiazolyl, pyrazolyl or oxazolyl, where these groups may have
1, 2 or 3 substituents which are selected, independently of
one another, from alkyl, halogen, difluoromethyl and
40 trifluoromethyl.

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3. A fungicidal mixture as claimed in claim 1, wherein in the formula I the radical A is one of the following groups:

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pyridin-3-yl, which may or may not be substituted in the 2-position by halogen, methyl, difluoromethyl, trifluoromethyl, methoxy, methylthio, methylsulfynyl or methylsulfonyl;

5

phenyl, which may or may not be substituted in the 2-position by methyl, trifluoromethyl, chlorine, bromine or iodine;

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2-methyl-5,6-dihydropyran-3-yl;

2-methyl-5,6-dihydro-1,4-oxathiin-3-yl or the 4-oxide or 4,4-dioxide thereof;

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2-methylfuran-3-yl, which may or may not be substituted in the 4- and/or 5-position by methyl;

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thiazol-5-yl, which may or may not be substituted in the 2- and/or 4-position by methyl, chlorine, difluoromethyl or trifluoromethyl;

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thiazol-4-yl, which may or may not be substituted in the 2- and/or 5-position by methyl, chlorine, difluoromethyl or trifluoromethyl;

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1-methylpyrazol-4-yl, which may or may not be substituted in the 3- and/or 5-position by methyl, chlorine, difluoromethyl or trifluoromethyl; or

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oxazol-5-yl, which may or may not be substituted in the 2- and/or 4-position by methyl or chlorine.

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4. A fungicidal mixture as claimed in one of the preceding claims, which comprises a compound of the formula I in which R² is a phenyl group which may or may not be substituted by 1, 2 or 3 of the substituents mentioned in claim 1.

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5. A fungicidal mixture as claimed in claim 4, where R² is a phenyl group which has one of the following substituents in the 2-position:

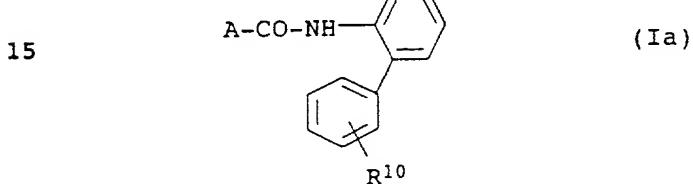
C₃-C₆-alkyl, C₅-C₆-cycloalkenyl, C₅-C₆-cycloalkyloxy, cycloalkenyloxy, where these groups may be substituted by 1, 2 or 3 C₁-C₄-alkyl groups,

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phenyl which is substituted by from 1 to 5 halogen atoms and/or from 1 to 3 groups which are selected, independently of one another, from C₁-C₄-alkyl, C₁-C₄-haloalkyl, C₁-C₄-alkoxy, C₁-C₄-haloalkoxy, C₁-C₄-alkylthio and C₁-C₄-haloalkylthio,

5 or where R² is indanyl or oxaindanyl which may or may not be substituted by 1, 2 or 3 C₁-C₄-alkyl groups.

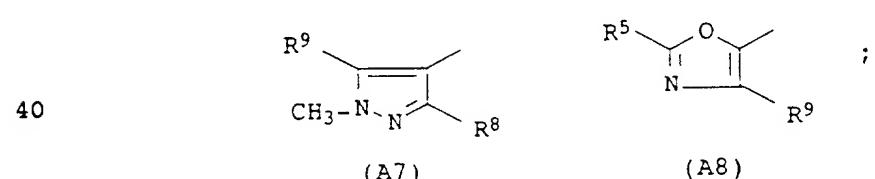
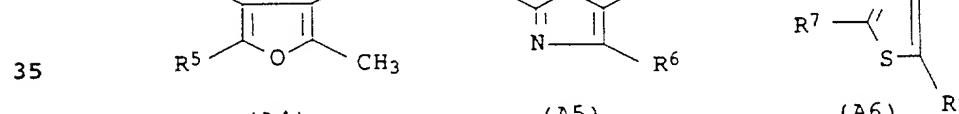
10 6. A fungicidal mixture as claimed in any of claims 1 to 5, which comprises an amide compound of the formula Ia below:



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in which

25 A is



X is methylene, sulfur, sulfynyl or sulfonyl (SO₂),
 45 R³ is methyl, difluoromethyl, trifluoromethyl, chlorine, bromine or iodine,
 R⁴ is trifluoromethyl or chlorine,

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R⁵ is hydrogen or methyl,

R⁶ is methyl, difluoromethyl, trifluoromethyl or chlorine,

R⁷ is hydrogen, methyl or chlorine,

5 R⁸ is methyl, difluoromethyl or trifluoromethyl,

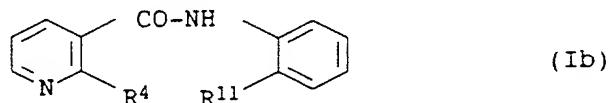
R⁹ is hydrogen, methyl, difluoromethyl, trifluoromethyl or chlorine,

R¹⁰ is C₁-C₄-alkyl, C₁-C₄-alkoxy, C₁-C₄-alkylthio or halogen.

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7. A fungicidal mixture as claimed in any of claims 1 to 5, which comprises as amide compound a compound of the formula Ib below:

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in which

R⁴ is halogen and

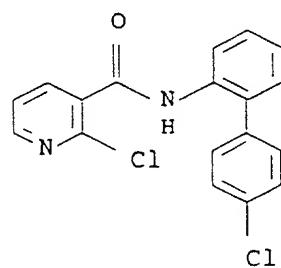
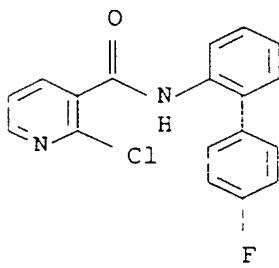
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R¹¹ is phenyl which is substituted by halogen.

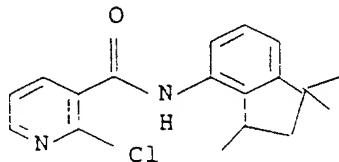
8. A fungicidal mixture as claimed in claim 1, which comprises as amide compound a compound of the formulae below:

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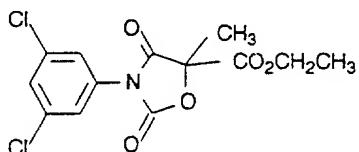
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31.

9. A fungicidal mixture as claimed in any of the preceding claims, comprising as fungicide from the group of the dicarboximides one or more of the compounds IIa to IIId

5 II.a: ethyl (")-3-(3,5-dichlorophenyl)-5-methyl-2,4-dioxooxazolidine-5-carboxylate [sic]

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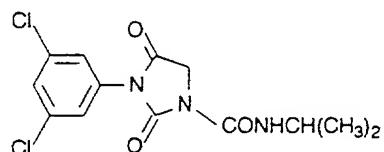
II.a

or

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II.b: 3-(3,5-dichlorophenyl)-N-isopropyl-2,4-dioxoimidazolidine-1-carboxamide

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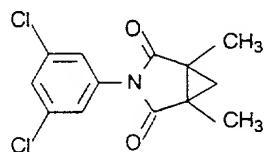
II.b

or

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II.c: N-(3,5-dichlorophenyl)-1,2-dimethylcyclopropane-1,2-dicarboximide

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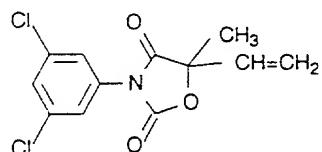
II.c

or

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II.d: (RS)-3-(3,5-dichlorophenyl)-5-ethenyl-5-methyl-1,3-oxazolidine-2,4-dione

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II.d.

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10. A fungicidal mixture as claimed in any of the preceding claims, which is conditioned in two parts, one part comprising the amide compound I in a solid or liquid carrier and the other part comprising one or more compounds of the formulae IIa to IXb in a solid or liquid carrier.

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11. A method for controlling harmful fungi, which comprises
treating the fungi, their habitat, or the materials, plants,
seeds, soils, areas or spaces to be protected against fungal
attack with a fungicidal mixture as claimed in any of claims
5 1 to 9, where the application of the active ingredients amide
compound I and one or more compounds of the formulae IIa to
IXb may be carried out simultaneously, that is either
together or separately, or in succession.

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